

	Amount	Agency	Research Subjects
2. <u>University of Missouri</u> (Columbia)			
Faberge (C-990 C4)	1,725	NCI	Genetic mutations & ultraviolet radiation
Novitski (C-1578 C2)	9,167	NCI	Chromosomes
Shaver (C-1989)	5,147	NCI	Cleavage in frog egg
	16,039		
3. <u>St. Louis University</u> (St. Louis)			
Bauer (DRIR-189A)	9,000	DRMF	Rapid freezing, virus & non-virus
Luyet (CP-53A)	5,075	ACS	Cell survival & frozen tissue
Luyet (#103)	3,500	JCC	Red cells, frozen blood & ice formation
Seibert (DRF-121)	Fellow	DRMF	Steroid metabolism & enzymatic activity
	17,575		
4. <u>Washington University</u> (St. Louis)			
Allen	9,000	AEC	Gamma ray therapeutic agent
Berg (F-158A)	Fellow	ACS	Enzymes & phosphate di-ester bond
Commoner (V-9D)	6,561	ACS	*Reduplication tobacco mosaic virus, growth processes
Graham (DRIR-251)	12,700	DRMF	*Tobacco smoking & lung cancer
Gutsche (CH-11)	6,966	ACS	Colchicine & related compounds
Hamburger & Levi-Montalcini (C-1801)	13,100	NCI	Sarcomas(mice)& nervous system chick embryo
Lowry (C-11E)	13,895	ACS	Cytochemistry nervous system
Cori (INSTR-32F)	60,000	ACS	Growth
Roberts (C-1245 C2)	13,000	NCI	Free amino acids, peptides & nitrogen meta. tissues
Silberberg & Silberberg (EDC-9)	4,000	ACS	Hormones, mice
Velick (E-25D)	7,100	ACS	Enzymes
Weiss (DRF-92A)	Fellow	DRMF	Orcein, elastin reaction
	146,322		

#### MONTANA

<u>Montana State University</u> (Missoula)			
Loran (DRIR-192A)	5,300	DRMF	Oncolytic effect NDBS fraction podophyllin on tumor tissue

#### NEW HAMPSHIRE

<u>Dartmouth College</u> (Hanover)			
Tyson (DRIR-253)	7,000	DRMF	Pulmonary function radiation fibrosis

#### NEW JERSEY

1. <u>Princeton University</u> (Princeton)			
Bonner (MOR-16C)	1,000	ACS	Cell differentiation amoeboid slime molds
Fankhauser (MOR-15C)	4,500	ACS	Dev., grow., & fertility polyploid salamanders
Jacobs (BQ-18D)	2,160	ACS	Cell differentiation vascular plants
	7,660		
2. <u>Rutgers University</u> (New Brunswick)			
Allison (INSTR-51D)	17,812	ACS	Tissue equilibrium & metabolic interrelations
Allison & Leatham (CP-23E)	8,856	ACS	Experimental production tumors
Crossley (CH-5A)	6,000	ACS	Chemotherapy
Leatham (EDC-6)	6,156	ACS	Abnormal ovarian growth
	38,824		

#### NEW MEXICO

1. <u>University of New Mexico</u> (Albuquerque)			
Daub (C-1595 C)	3,672	NCI	1-methyl, 7-meth., 8-meth. & 10-methyl-3, 4-benzpyrene

2. Highlands University (Las Vegas)  
Robins (DRIR-260)

Amount  
4,800

Agency

Research Subjects

DRMF Imidazo(c)pyridines, potential purine antagonists

NEW YORK CITY

1. American Museum of Natural History  
Breder (DRIR-39D)  
Breder (DRIR-39E)

10,000  
10,000  
20,000

DRMF

Environmental &amp; endocrine control

DRMF

Cell proliferation

2. College of the City of New York  
"Society for Experimental Biology & Medicine" (DRIR-143A) 150

DRMF

Pub. cancer articles

3. Columbia University

Bloch (F-184)  
Chargaff (BCH-3A)  
Curth (C-1603 C)  
Davidson (F-146A)  
Dische (PR-16C)  
Fiala (C-21A)  
Frantz et al. (C-1981)  
Gellhorn (DRIR-56C)  
Gellhorn (C-1386 C2)  
Gellhorn & Hirschberg (C-1894)  
Gluecksohn-Waelsch (G-2)  
Gold (F-159A)  
Godman (#114)  
Gray (DRIR-243)  
Graff  
Graff & Haagenensen (C-1794)  
Gusberg (C-1793)  
Habif (DRIR-244)  
Hudson (BCH-6A)  
Hudson & Reiner (C-1639 C)  
Hyman (DRIR-255)  
Jailer (S-12D)  
Lattes (DRIR-247)  
Levy (ENV-2B)  
Lieberman (C-1918)  
Murray & Chargaff (DRIR-162B)  
Oppenheimer (C-1620 C)  
Quimby (R-16A)  
Rappleye (INSTR-18F)  
Rittenberg (IS-2G)  
Rittenberg et al. (CIE-3G)  
Ryan (BC-13F)  
Shemin (MET-24)  
Shils & Shapiro (C-1783)  
Stork (CH-16)  
Taylor (C-1797)  
Taylor & Lieberman (DRIR-215A)  
Wallace (DRF-139)

Fellow  
7,500  
7,117  
Fellow  
6,000  
Ext. time  
3,240  
79,110  
10,000  
8,083  
3,070  
Fellow  
2,980  
100  
16,000  
10,000  
7,500  
15,000  
6,000  
5,000  
7,500  
4,000  
3,200  
Ext. time  
16,300  
6,480  
32,076  
8,527  
125,000  
10,935  
15,000  
7,000  
6,000  
5,672  
7,000  
6,884  
23,500  
Fellow  
471,774

ACS Desoxyribonucleic & nuclear prot., mitotic cycle  
ACS Nucleoproteins  
NCI Acanthosis nigricans  
ACS Chemotherapy & nucleic acid turnover in tumors  
ACS Proteins (prosthetic) & growth  
ACS Carcinogen accumulation (mitochondria)  
NCI Thyroid (Long-Evans rat) internal & ex. radiation  
DRMF Purines & pyrimidines  
NCI in chemotherapy  
NCI Chemotherapy, brain tumors, human  
ACS Genetics, embryonic death, early pregnancy  
ACS Steroidal patterns, adrenal virilism & cortisone  
JGC Mitotic cycle & antimetabolites  
DRMF Spon. lecture in U.S., Dr. L.H. Gray, Great Brit.  
EUFF Growths in animals  
NCI Anti-leukemia protective factor  
NCI Radiosensitivity, cervical, humans  
DRMF Chemotherapy  
ACS Acid Phosphatase, human prostatic & adenoma  
NCI Prostate, enzymatic glutamine synthesis  
DRMF Iron metabolism & neoplastic disease  
ACS Metabolism, estrogens, adrenal steroids & proteins  
DRMF Mitotic cycle & antimetabolites - cytochemical  
ACS Oral neoplasms, tongue  
NCI Urinary 17-ketosteroids & cortisone, hydrocortisone  
DRMF Mitosis poisons  
NCI Invest. imbedding plastic films  
ACS Radiation dosage  
ACS Stud., Insti. Cancer Research & Francis Delafield Hosp.  
ACS Metabolism, proteins, tissues  
ACS Isotope technique, humans  
ACS Biochemical mutants microorganisms  
ACS Biosynthesis porphyrins  
NCI Chemotherapy, vitamin content of host  
ACS Colchicine & related tropolone systems  
NCI Human ovary, gynecologic neoplasms  
DRMF Cyto. & biochemistry, neoplasms, human  
DRMF Steroidal excretion patterns  
in adrenal virilism

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	Amount	Agency	Research Subjects
3. <u>Cornell University</u>			
Cattell & Kensler (BI-2F)	7,500	ACS	Azo dyes, liver, rats
Engle (C-1905)	8,310	NCI	Multiple myeloma, abnor. proteins & plasma cells
Ferguson (C-1917)	2,862	NCI	Colchicine, biological & pharmacological
Ferguson (C-1992)	9,134	NCI	
Kidd (CPB-18B)	Ext. time	ACS	Structure changes & antibodies, cytotoxic agents
Kidd (V-2G)	15,000	ACS	Virus papillomas, cytological & biological
Papanicolaou (INSP-58B)	48,000	ACS	Exfoliative secretions breast
Riker (MA-7E)	Ext. time	ACS	Pharmacology compounds & mitosis & growth
	90,806		
4. <u>Francis Delafield Hospital</u>			
"Genetics Society of America" <sup>1</sup> (DRIR-242)	1,000	DRMF	Contributions send members Int. Cong. Genetics Italy
5. <u>Fordham University</u>			
Berger (C-492 C5)	2,160	NCI	Polyploidy & diploid plants
Brown (C-1390 C2)	5,616	NCI	Heterocyclic analogs compounds
Brown (C-1821)	4,050	NCI	Sex hormones
Cerecedo (DRIR-41B)	7,200	DRMF	Nucleic acids & growth, purine & amino acid
Cerecedo (C-1370 G2)	6,700	NCI	composition tissues
	25,726		
6. <u>Harlem Hospital</u>			
Wright (DRIR-50C)	15,000	DRMF	Tissue culture
Young (C-1607 C)	9,913	NCI	Triethylene melamine, antibiotics, folic acid
	24,913		antagonists, achromycin, ACTH
7. <u>Haskins Laboratories</u>			
Rutner (CP-57)	4,700	ACS	Nutrition, lipid growth, microorganisms
Zahl & Albaum (C-1622 C)	9,115	NCI	Blood & tissue levels nucleotides
	13,815		
8. <u>Memorial Center for Cancer &amp; Allied Diseases</u>			
Bieseke (C-678 C5)	11,100	NCI	Tissue culture
Bodansky (C-1443 C2)	12,085	NCI	Adrenal & other steroid & biochem. blood, tissues
Bodansky & Randall (C-1694 C)	15,000	NCI	Composition intracellular phase, surgery, human
Brown (C-471 C5)	28,336	NCI	Nucleo-proteins & growth
Burchenal (C-679 C5)	17,500	NCI	Chemotherapy exper. leukemia
Changus (C-1971)	4,860	NCI	Histochemical differentiation bone tumors
Fath (DRF-46A)	Fellow	DRMF	Thyroid-adrenal relationships
Fox (DRF-124A)	Fellow	DRMF	Nucleic acid biosynthesis, nucleotides & ribofuranosyl nuc.
Gallagher (S-4F)	30,600	ACS	Steroid excretion
Gallagher (C-440 C4)	39,009	NCI	Biochemical & chemical inves. steroids
Guthrie (C-1848)	9,681	NCI	Chem. genetics bacteria & nucleic acid metabolism
Hansbury (F-169)	Fellow	ACS	Thyroid stimulating hormone (TSH) & lipid metabolism
Hamilton (C-1813)	5,899	NCI	Nucleic acids & compounds & human leukocytes
Kappas (F-107B)	Fellow	ACS	Steroid metabolism
Karnofsky (C-675 C5)	12,733	NCI	Neoplastic tissue, chick embryo, Hodgkin's disease
Koch (SG-4)	Scholar	ACS	Hemoglobin metabolism & ionizing irradiation
Laughlin & Nickson (R-21)	8,100	ACS	Cell differential sensitivity & radiation
Li (DRF-140)	Fellow	DRMF	Hypophysectomy & hypothalamic irradiation, mammary gland
Mellors (DRIR-258)	9,500	DRMF	Quan. analy. cell interference microscopy
Murphy (DRF-117A)	Fellow	DRMF	Biochem., resistance A-methopterin
Nickson & Escher (DRIR-72B)	10,000	DRMF	Steroid changes, hormone therapy, radiation, mammary gland
Nickson & Laughlin (DRIR-226A)	22,000	DRMF	High energy radiation, humans
Nickson & Seal (C-1579 C)	13,000	NCI	Prog. eval. rotational therapy to 250 KV
Ortega (DRF-141)	Fellow	DRMF	Microscopy, humans
Pearson (DRIR-259)	10,000	DRMF	Altered hormonal environ. & breast cancer
Phillips (C-415 C5)	38,921	NCI	Program chemotherapeutic agents
Phillips	20,000	EUFP	
	950,160		